

HOOD CANAL – TAHUYA WINTER STEELHEAD

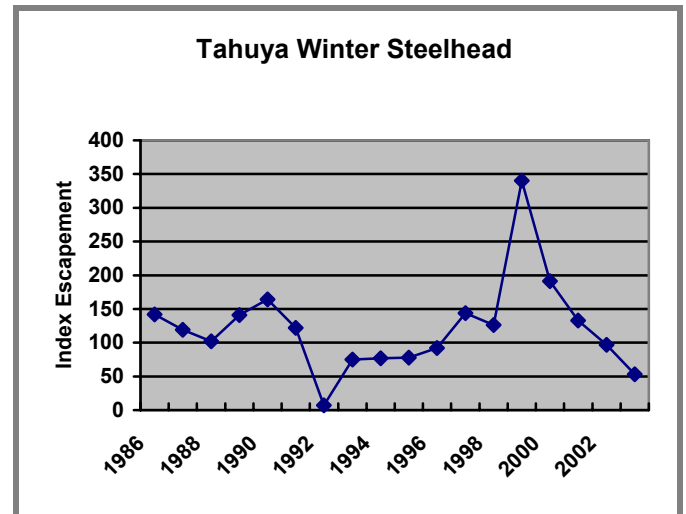
STOCK STATUS

| 1992 STATUS | 2002 STATUS |
|-------------|-------------|
| Depressed | Depressed |

STOCK STATUS RATING DATA

USEFULNESS FOR RATING STOCK STATUS: *Good*

| YEAR | INDEX ESCAPEMENT |
|------|------------------|
| 1986 | 142 |
| 1987 | 119 |
| 1988 | 102 |
| 1989 | 141 |
| 1990 | 164 |
| 1991 | 122 |
| 1992 | 73 |
| 1993 | 75 |
| 1994 | 77 |
| 1995 | 78 |
| 1996 | 92 |
| 1997 | 144 |
| 1998 | 126 |
| 1999 | 340 |
| 2000 | 191 |
| 2001 | 133 |
| 2002 | 97 |
| 2003 | 53 |



Data are index escapement estimates based on redd counts in the Tahuya River (RM 1.0 to 11.0).

Stock status is rated **Depressed** in 2002 based on **chronically low** escapements. Spawner escapement has ranged from 73 to 340 wild winter steelhead in Tahuya River index areas. In all but one year (1999), escapements have been lower than expected based on available habitat. Using WDFW methodology (Gibbons et al. 1985), the escapement goal would be 236 wild adults in the index areas. However, the state and Treaty Tribes have not agreed to the objective or the method used to derive it.

STOCK DEFINITION

Tahuya winter steelhead were identified as a stock based on their distinct spawning distribution.

SPAWNING DISTRIBUTION: Most spawning takes place in the lower 11 miles of the Tahuya River and in some tributaries.

SPAWNING TIMING: Spawning generally occurs from early March to early June.

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GENETIC ANALYSIS: Allozyme analysis has shown that the Tahuya winter steelhead stock appears to be distinct from other Hood Canal steelhead stocks (Phelps et al. 1997).

STOCK ORIGIN

Stock origin and production type are **unresolved** by the state and tribes.